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PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY				
То:	PCT			
see form PCT/ISA/220	WALTER ORDINAL OF THE			
·	WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY			
	(PCT Rule 43bis.1)			
·				
	Date of mailing (day/month/year) see form PCT/ISA/210 (page 2)			
Applicant's or agent's file reference	FOR FURTHER ACTION			
see form PCT/ISA/220	See paragraph 2 below			
International application No. International filing date PCT/DE2004/001809 08/13/2004	(day/month/year) Priority date (day/month/year) 10/27/2003			
International Patent Classification (IPC) or both national classification (O1C19/56, G01P9/04	ation and IPC			
Applicant				
Robert Bosch GMBH				
This opinion contains indications relating to the following ite Box No. I Basis of the opinion	ms:			
Box No. II Priority				
Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability				
Box No. IV Lack of unity of invention Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
Box No. VI Certain documents cited				
Box No. VII Certain defects in the international appl	ication			
Box No. VIII Certain observations on the international application				
2. FURTHER ACTION				
If a demand for international preliminary examination is multitude in the International Preliminary Examining Authority ("IPEA") exceptions.	ade, this opinion will be considered to be a written opinion of the ept that this does not apply where the applicant chooses an Authority notified the International Bureau under Rule 66.1 bis(b) that written so considered.			
If this opinion is, as provided above, considered to be a writte a written reply together, where appropriate, with amendments PCT/ISA/220 or before the expiration of 22 months from the	n opinion of the IPEA, the applicant is invited to submit to the IPEA, before the expiration of 3 months from the date of mailing of Form priority date, whichever expires later.			
For further options, see Form PCT/ISA/220.				
3. For further details, see notes to Form PCT/ISA/220.				
Name and mailing address of the ISA/	Authorized officer			
Treme and maning address of the LOAV	Hoekstra, F			
Facsimile No. 2 1322953378	Telephone No.			

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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/DE2004/001809

Box No.	11	Priority			
1.	The following document has not yet been furnished: copy of the earlier application whose priority has been claimed (Rules 43bis.1 and 66.7(a)). translation of the earlier application whose priority has been claimed (Rules 43bis.1 and 66.7(b)). Consequently it has not been possible to consider the validity of the priority claim. This opinion has nevertheless been established on the assumption that the relevant date is the claimed priority date.				
2.	This opinion has been established as if no priority had been claimed due to the fact that the priority claim has been found invalid (Rules 43bis.1 and 64.1). Thus for the purposes of this opinion, the international filing date indicated above is considered to be the relevant date.				
3. Addi	tional	observations, if necessary:			
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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/DE2004/001809

Statement			
. Statement Novelty (N)	Claims	1 - 10	YES
	Claims		
Inventive step (IS) Industrial applicability (IA)	Claims	1 - 10	YES
	Claims		
	Claims	1 - 10	YES
	Claims		NO
Citations and explanations:			
see supplementary page			
			,
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AP17 Rec'd PCT/PTO 27 APR 2006

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (SUPPLEMENTARY PAGE)

International File No. PCT/DE2004/001809

Re Item V

Reasoned statement with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

Reference is made to the following documents:

- D1: DE 102 37 411 A (BOSCH GMBH ROBERT) July 24, 2003 (2003-07-24)
- D2: DE 101 08 196 A (BOSCH GMBH ROBERT) October 24, 2002 (2002-10-24)
- Document D1 is seen as the most proximate related art in relation to the object of Claim 1. It describes a yaw sensor having all the features of the preamble of this claim (see D1, abstract).
- The object of Claim 1 thus differs from the known yaw rate sensor in that the force effect has at least one frequency which is an integral multiple of the drive element oscillation frequency. The object of this claim is therefore novel.
- However, a problem with the known yaw rate sensor is that the Coriolis element is induced to undesired oscillations that are greater than the measuring signal to be analyzed caused by the Coriolis acceleration. The object to be achieved by the present invention can thus be seen as eliminating this problem.



- Although the problem doubtless occurs in D1, it was not specifically addressed in the publication. D1 therefore contains no indication for solving this problem.
- Publication D2 concerns a comparable yaw rate sensor, however, without the dynamic force effect to eliminate the quadrature signal. As to the coupling spring, it is only mentioned that it must be designed in such a way that non-linearities are minimized (D2, para. [0014]). D2 contains no indication of what must be done if despite everything some non-linearities might remain.
- Neither D1 nor D2 or their combination, nor the general technical knowledge makes the invention obvious.

 Consequently, the object of Claim 1 is based on an inventive step.
- 7 Claims 2-10 are dependent on Claim 2 and thus also meet the requirements of the PCT with respect to novelty and independent step.